

Data File : VW012099.D
Acq On : 22 Aug 2019 10:05
Operator : SY/VA
Sample : VW0822SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBL01

Quant Time: Aug 23 07:56:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138607	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	7.88	113	111436	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	10.32	98	454929	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.62	95	149551	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

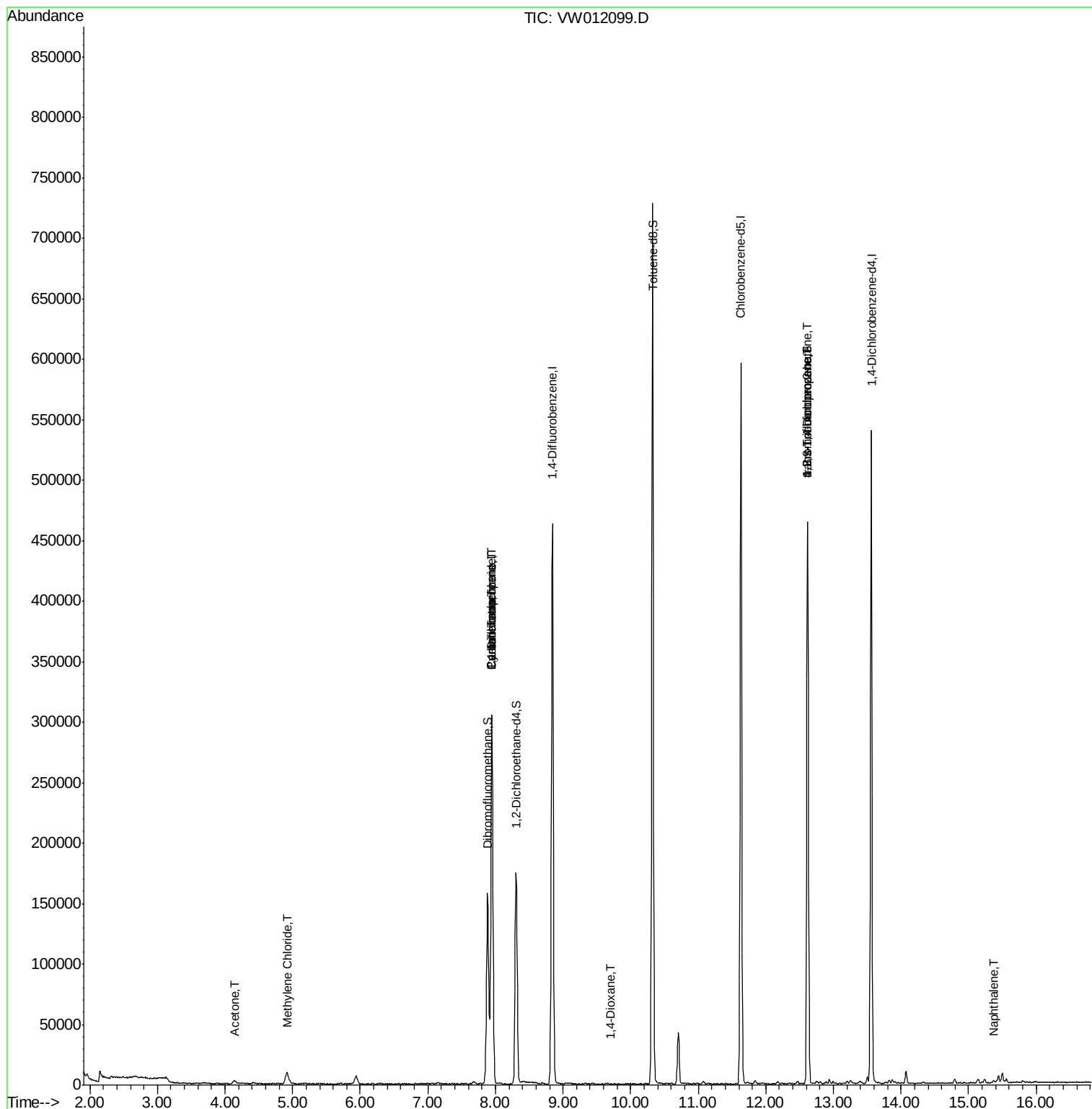
						Qvalue
11) Tert butyl alcohol	5.18	59	380	Below Cal		99
16) Acetone	4.14	43	6262	7.665 ug/l		96
20) Methylene Chloride	4.92	84	6795	2.412 ug/l		90
31) Cyclohexane	7.95	56	5683	1.183 ug/l #		1
36) 1,1-Dichloropropene	7.95	75	19169	4.977 ug/l #		52
38) Carbon Tetrachloride	7.95	117	22426	6.802 ug/l #		18
49) 1,4-Dioxane	9.71	88	26	1.363 ug/l #		1
76) 1,2,3-Trichloropropane	12.62	75	79414	56.382 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	79414	129.942 ug/l #		6
95) Naphthalene	15.36	128	1656	2.368 ug/l #		91

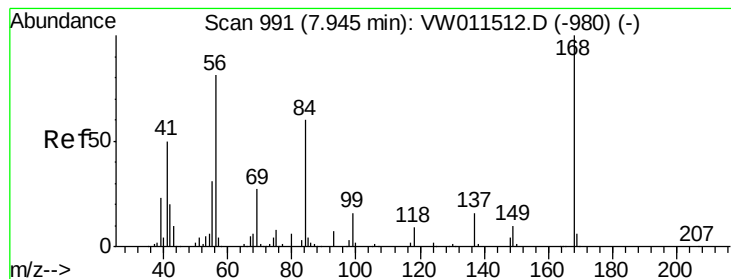
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

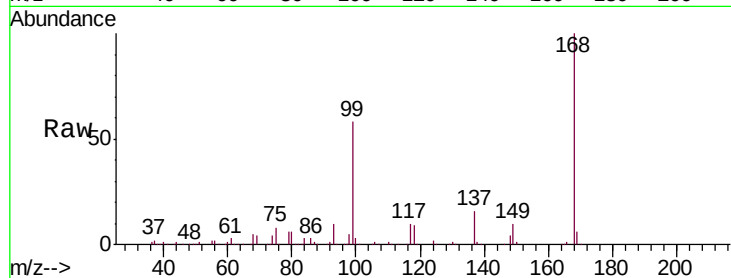
VW0822SBL01

Tgt Ion:168 Resp: 223668

Ion Ratio Lower Upper

168 100

99 58.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

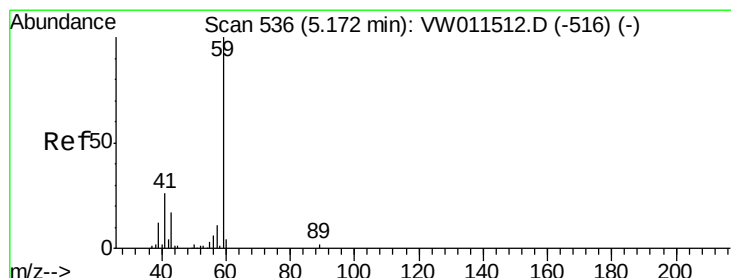
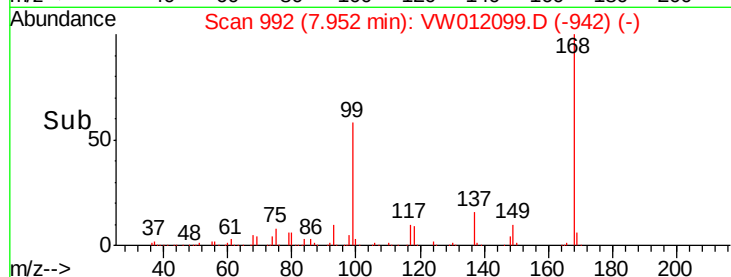
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012099.D

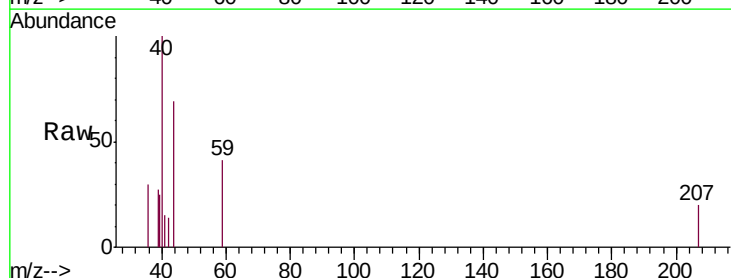
Acq: 22 Aug 2019 10:05

Tgt Ion: 59 Resp: 380

Ion Ratio Lower Upper

59 100

57 11.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

150

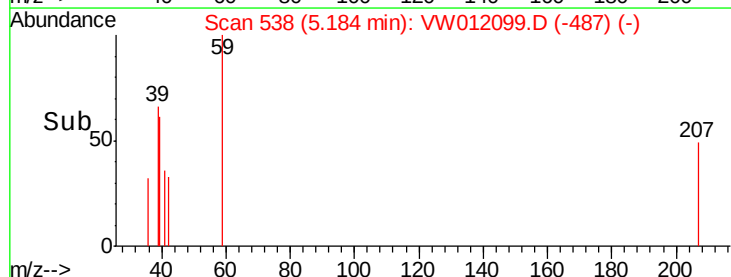
100

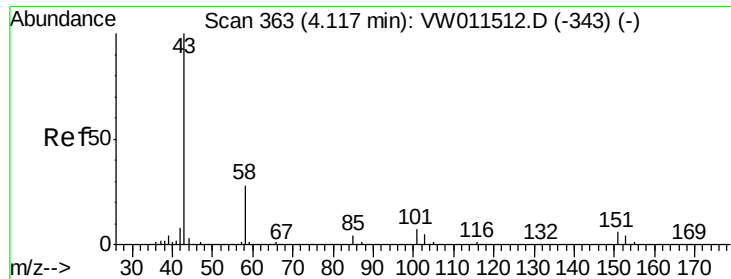
50

0

Time-->

5.15 5.20 5.25





#16

Acetone

Concen: 7.665 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

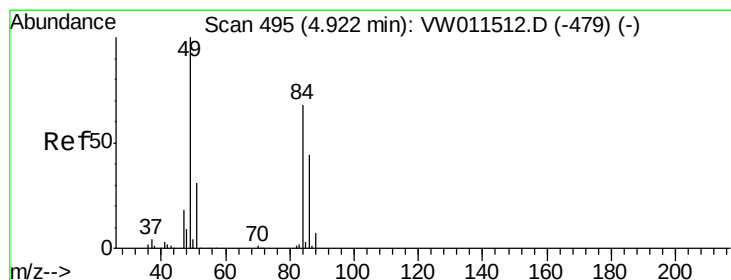
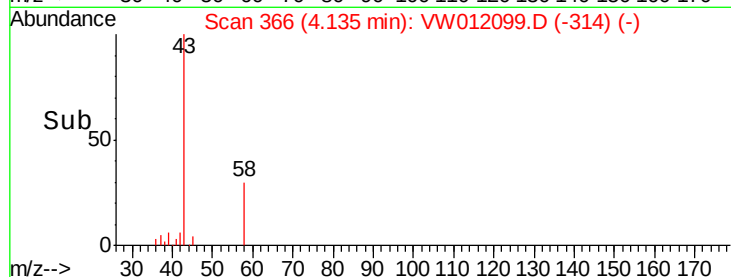
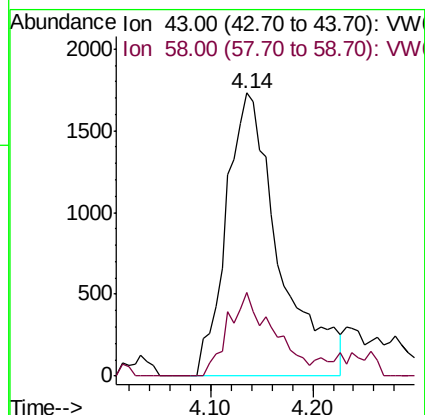
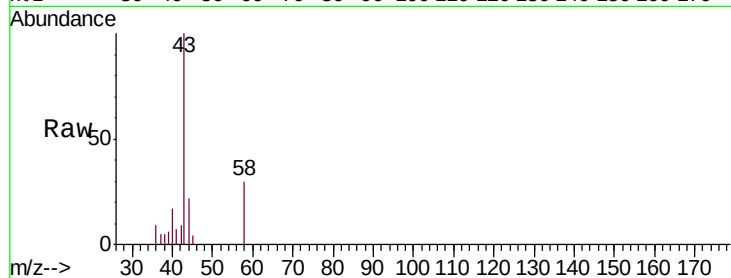
VW0822SBL01

Tgt Ion: 43 Resp: 6262

Ion Ratio Lower Upper

43 100

58 29.8 22.3 33.5



#20

Methylene Chloride

Concen: 2.412 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Tgt Ion: 84 Resp: 6795

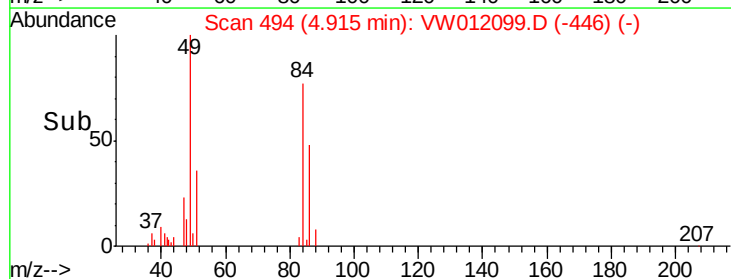
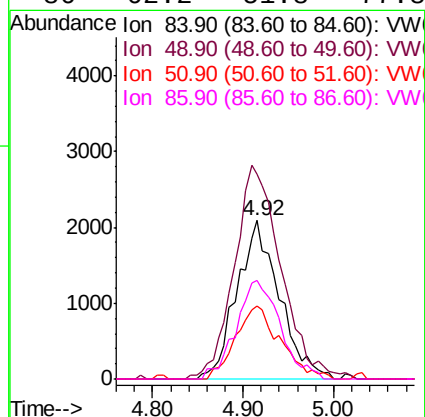
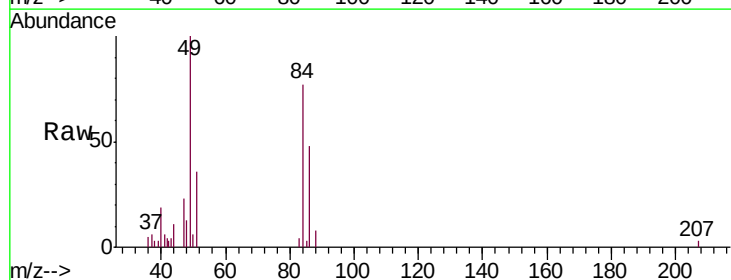
Ion Ratio Lower Upper

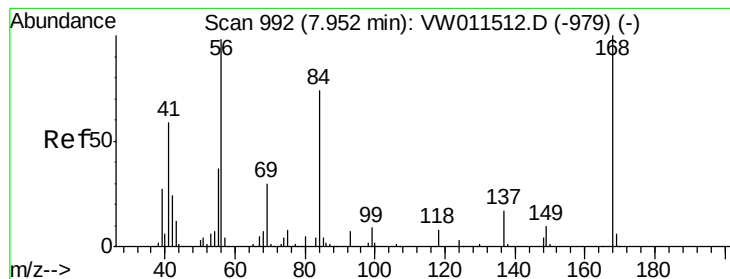
84 100

49 126.8 117.8 176.6

51 46.2 37.0 55.4

86 62.2 51.8 77.8





#31

Cyclohexane

Concen: 1.183 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBL01

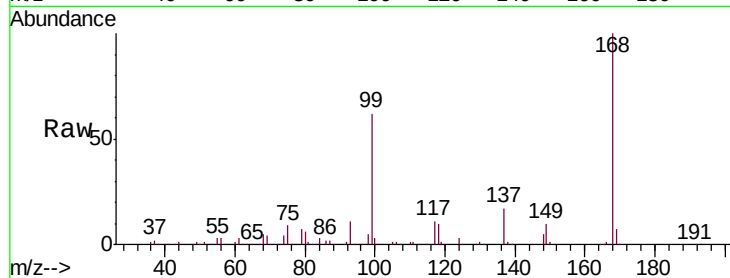
Tgt Ion: 56 Resp: 5683

Ion Ratio Lower Upper

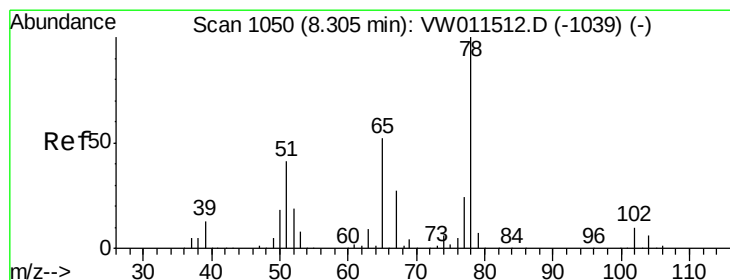
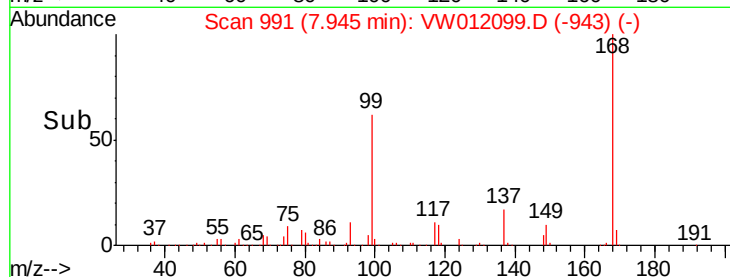
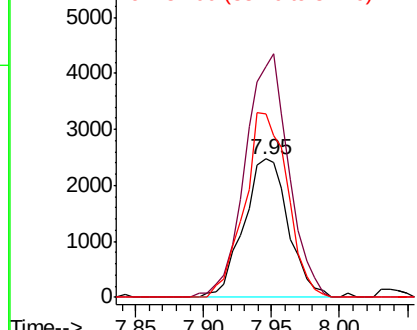
56 100

69 166.9 24.3 36.5#

84 131.9 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 53.968 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012099.D

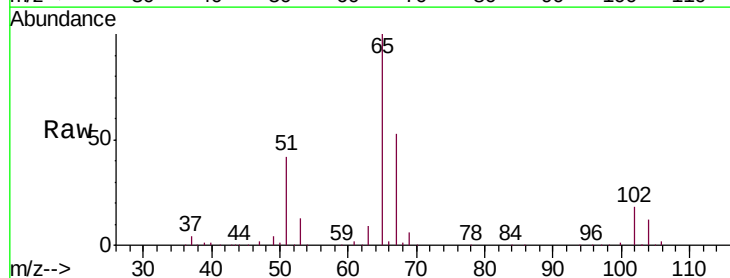
Acq: 22 Aug 2019 10:05

Tgt Ion: 65 Resp: 138607

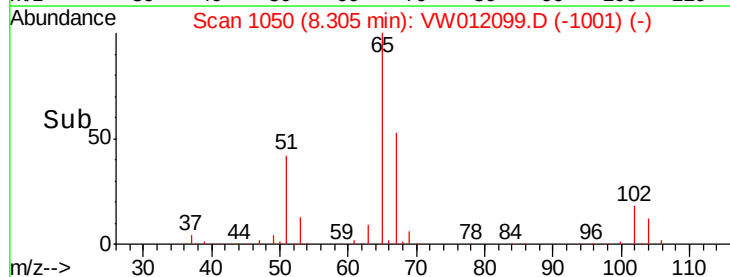
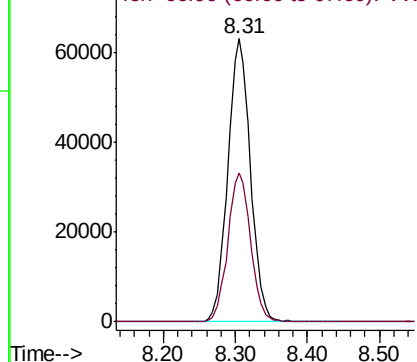
Ion Ratio Lower Upper

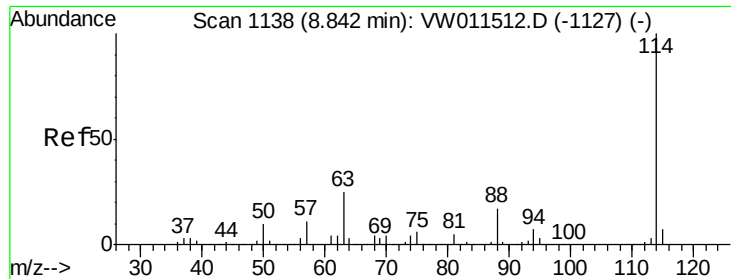
65 100

67 52.9 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

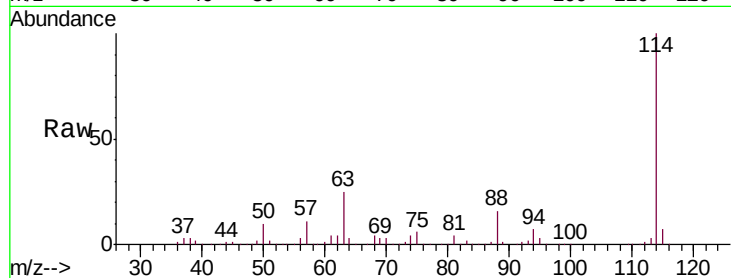




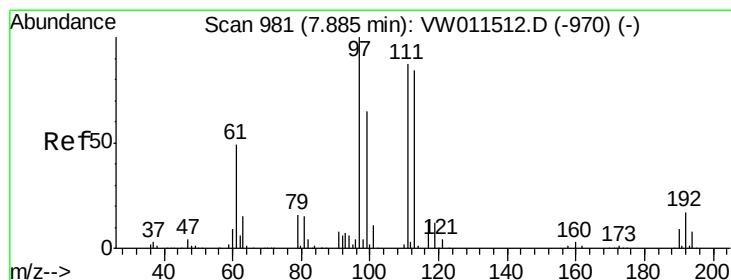
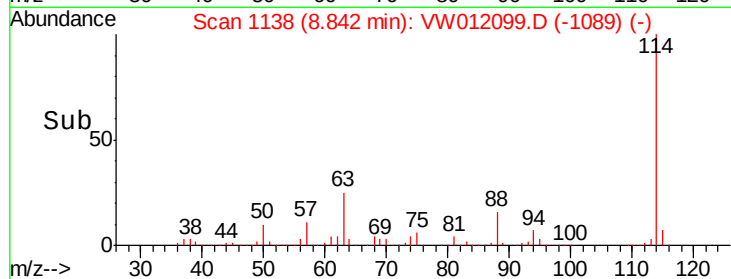
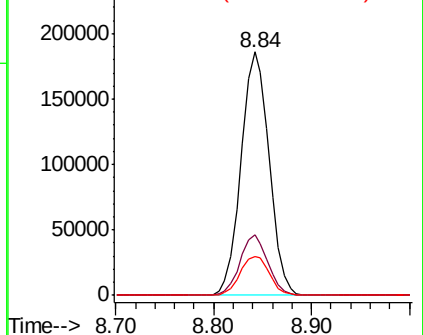
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012099.D
 Acq: 22 Aug 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBL01

Tgt Ion:114 Resp: 370403
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 15.8 0.0 33.8

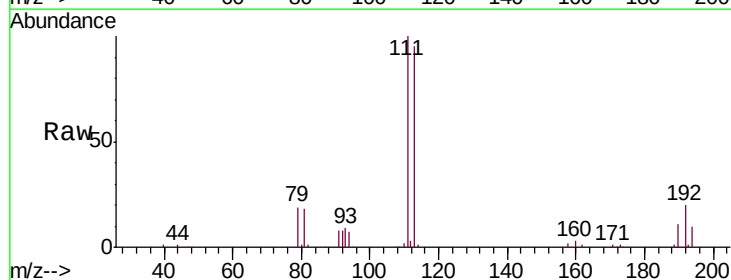


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

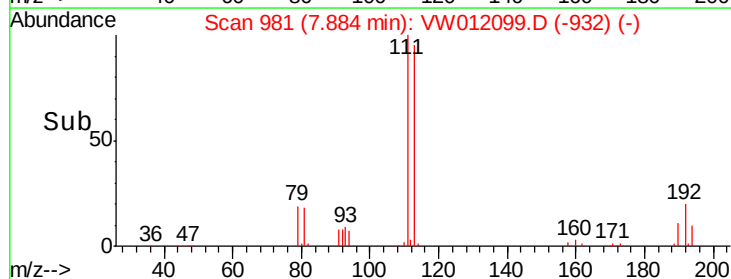
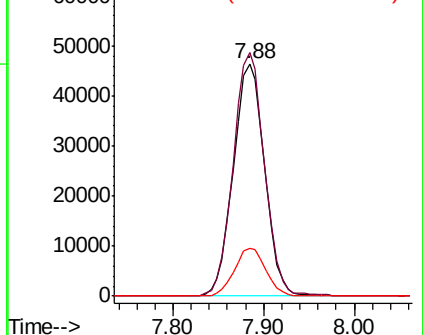


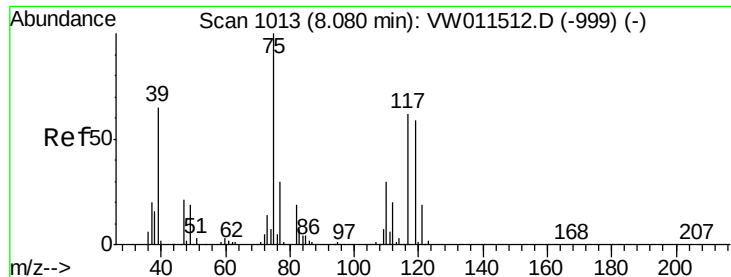
#35
 Dibromofluoromethane
 Concen: 53.626 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012099.D
 Acq: 22 Aug 2019 10:05

Tgt Ion:113 Resp: 111436
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.7 124.1
 192 20.5 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

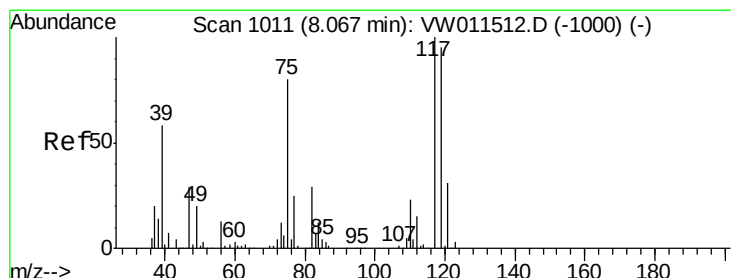
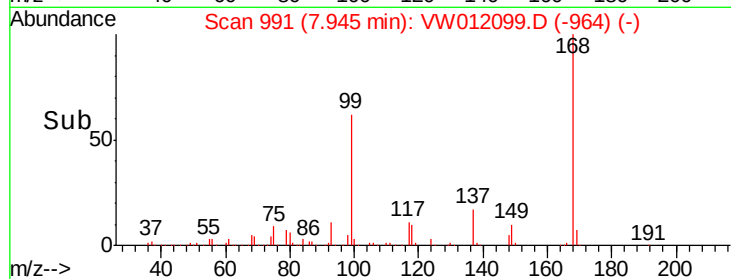
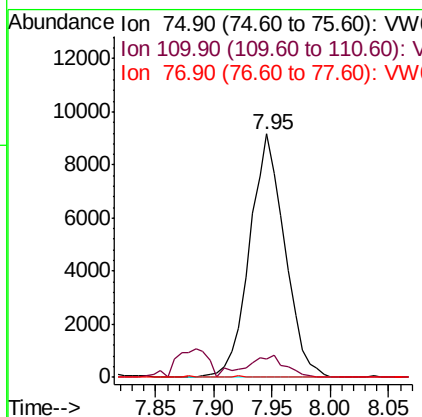
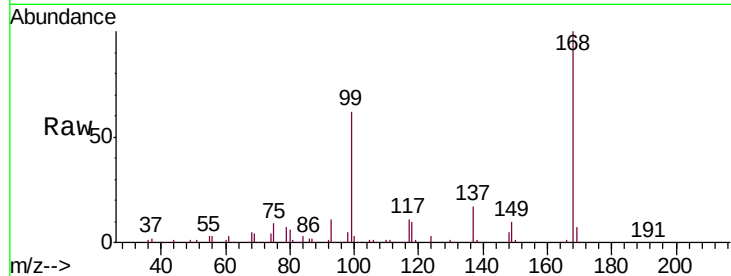




#36
 1,1-Dichloropropene
 Concen: 4.977 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012099.D
 Acq: 22 Aug 2019 10:05

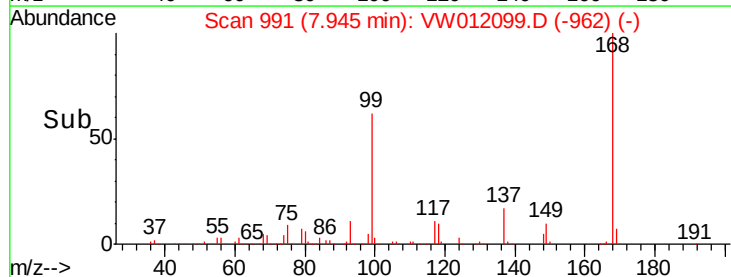
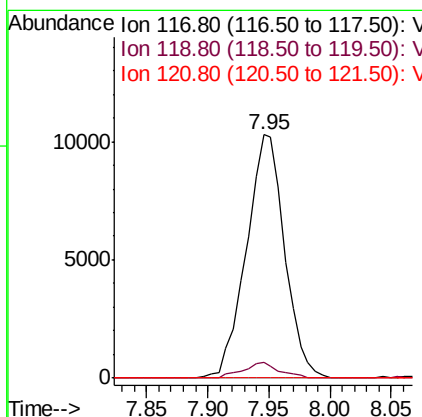
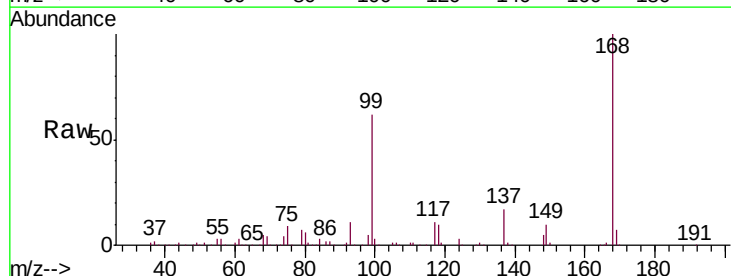
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBL01

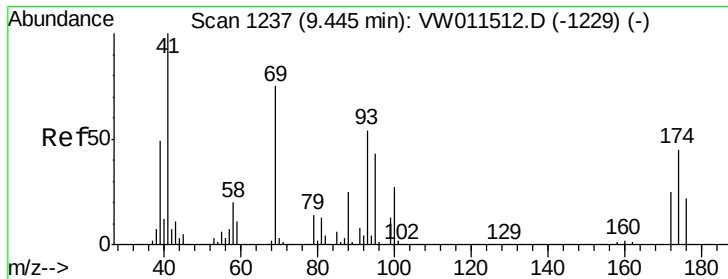
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.802 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012099.D
 Acq: 22 Aug 2019 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	75.8	113.6#
121	0.0	24.7	37.1#

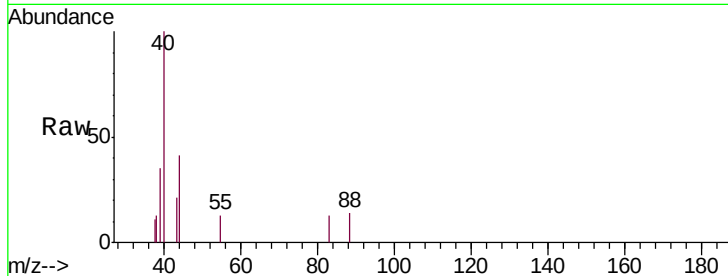




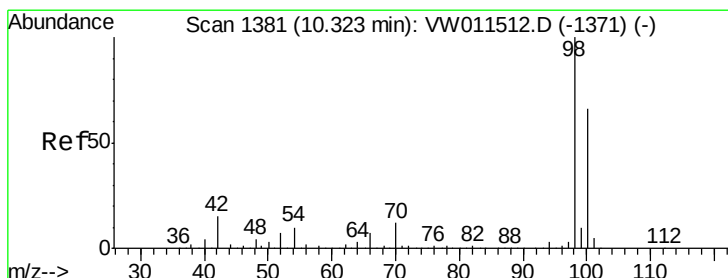
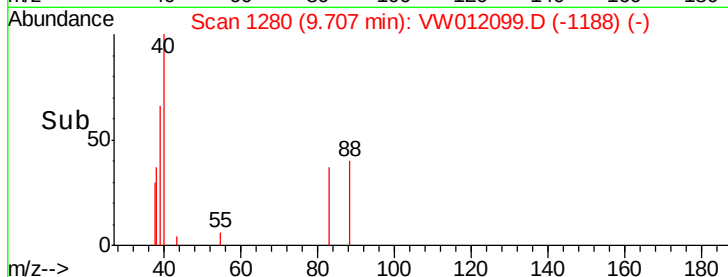
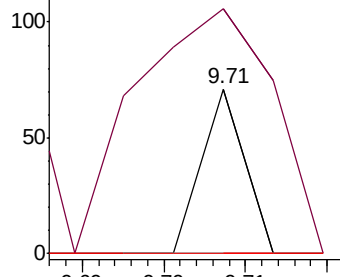
#49
 1,4-Dioxane
 Concen: 1.363 ug/l
 RT: 9.71 min Scan# 1280
 Delta R.T. 0.26 min
 Lab File: VW012099.D
 Acq: 22 Aug 2019 10:05

Instrument :
 MSVOA_W
 ClientSampled :
 VW0822SBL01

Tgt Ion: 88 Resp: 26
 Ion Ratio Lower Upper
 88 100
 43 476.9 34.0 51.0#
 58 0.0 69.7 104.5#

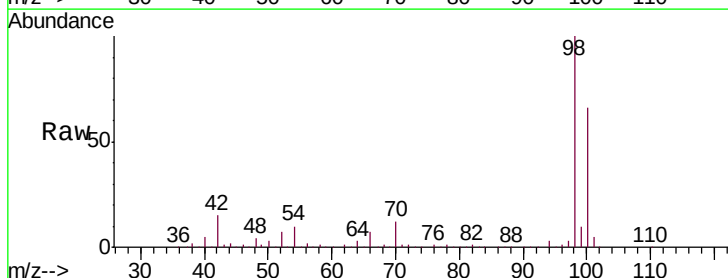


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

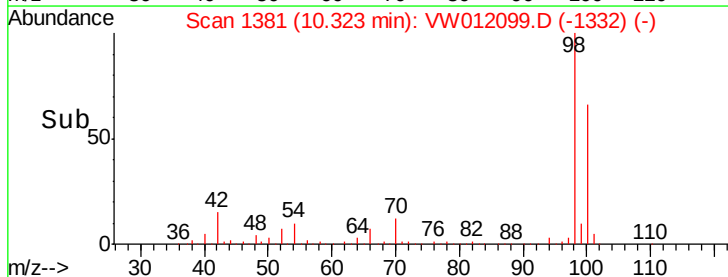
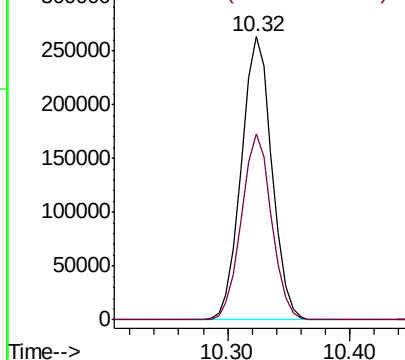


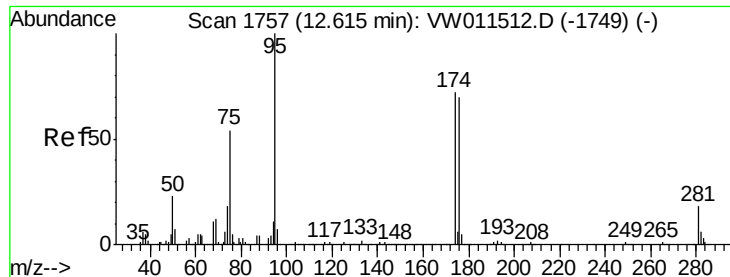
#50
 Toluene-d8
 Concen: 53.470 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012099.D
 Acq: 22 Aug 2019 10:05

Tgt Ion: 98 Resp: 454929
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 49.303 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBL01

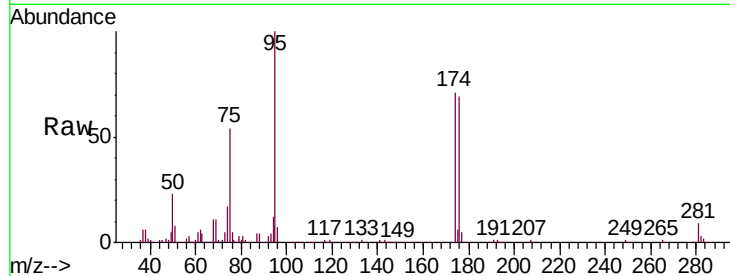
Tgt Ion: 95 Resp: 149551

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

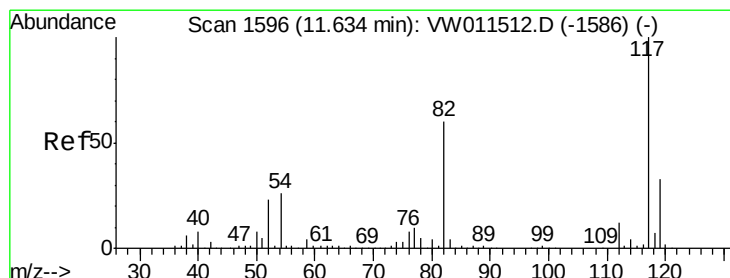
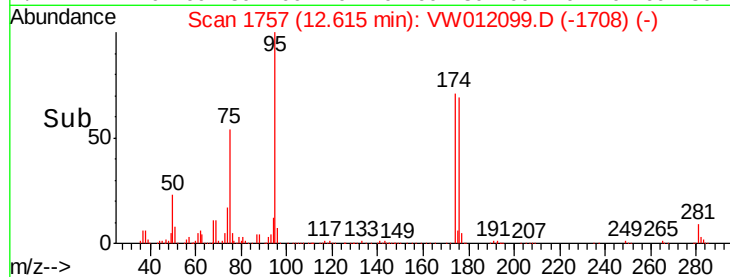
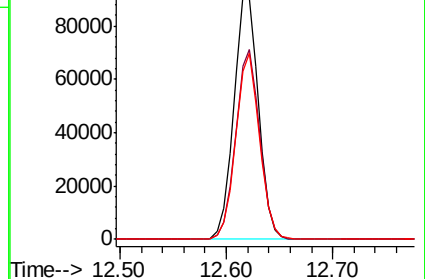
176 73.3 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW011512.D (-1749) (-)

Ion 173.80 (173.50 to 174.50): VW011512.D (-1749) (-)

Ion 175.80 (175.50 to 176.50): VW011512.D (-1749) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

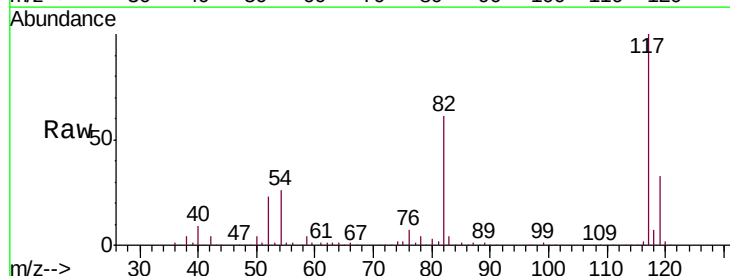
Tgt Ion: 117 Resp: 311884

Ion Ratio Lower Upper

117 100

82 60.8 47.9 71.9

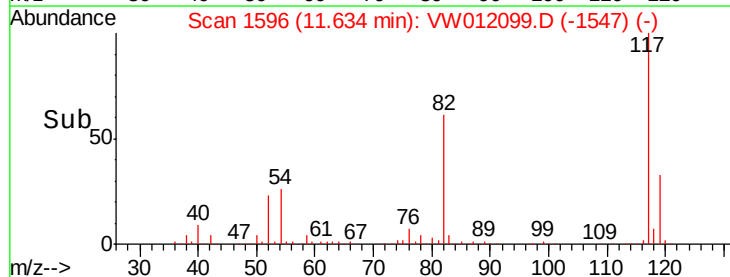
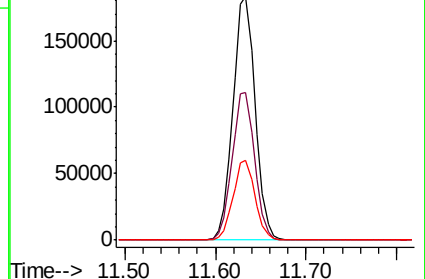
119 32.6 26.2 39.2

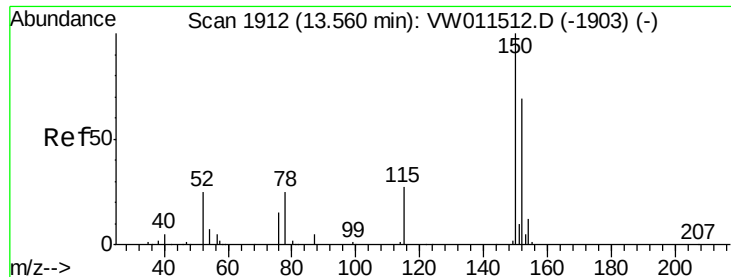


Abundance Ion 116.90 (116.60 to 117.60): VW011512.D (-1586) (-)

Ion 82.00 (81.70 to 82.70): VW011512.D (-1586) (-)

Ion 118.90 (118.60 to 119.60): VW011512.D (-1586) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBL01

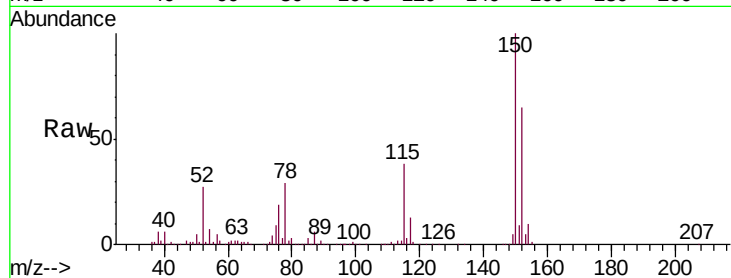
Tgt Ion:152 Resp: 133113

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

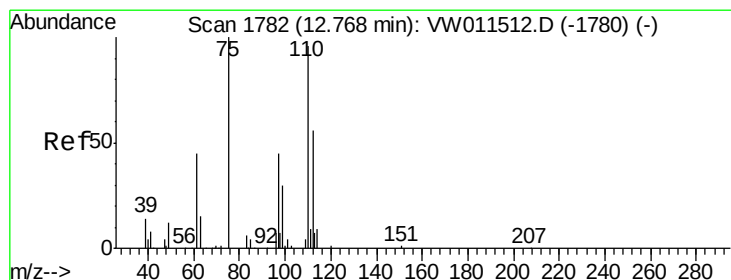
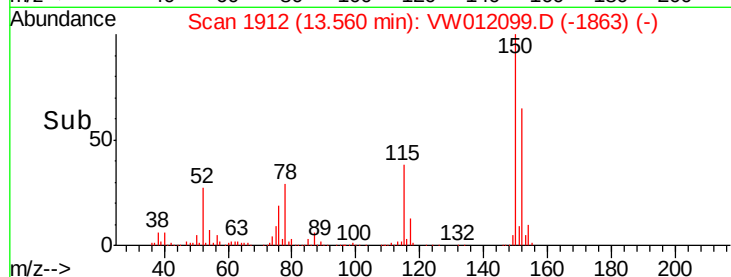
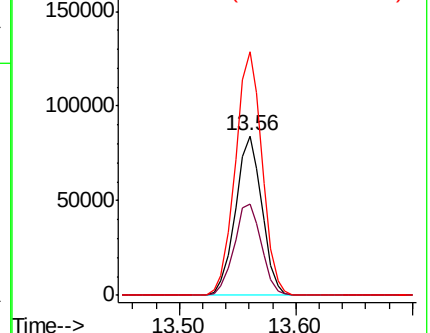
150 154.9 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 56.382 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012099.D

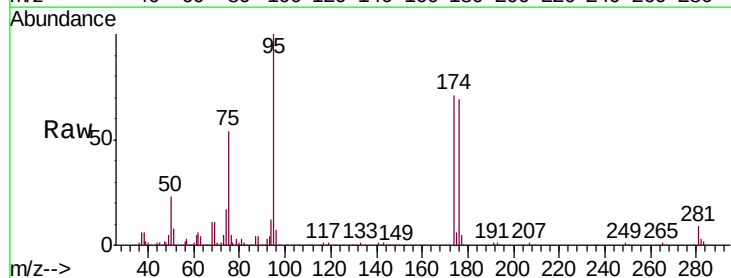
Acq: 22 Aug 2019 10:05

Tgt Ion: 75 Resp: 79414

Ion Ratio Lower Upper

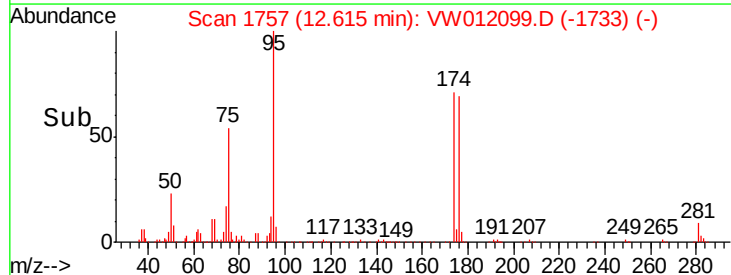
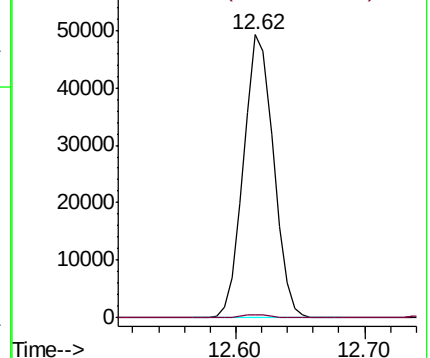
75 100

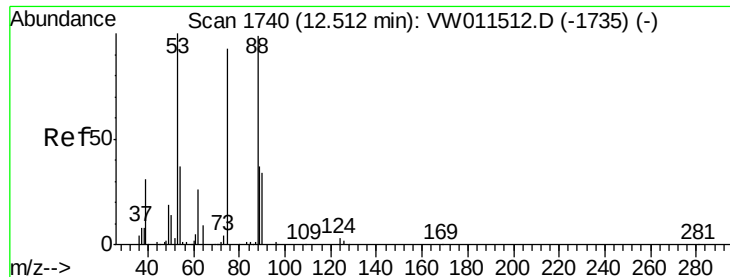
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 129.942 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBL01

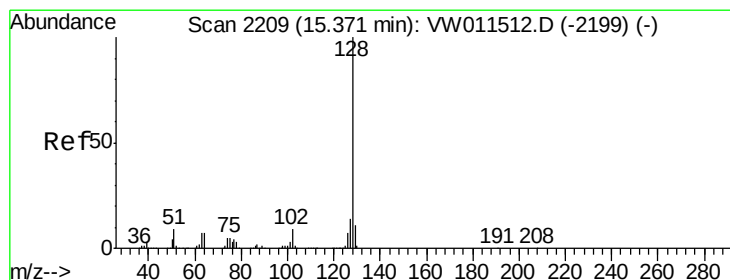
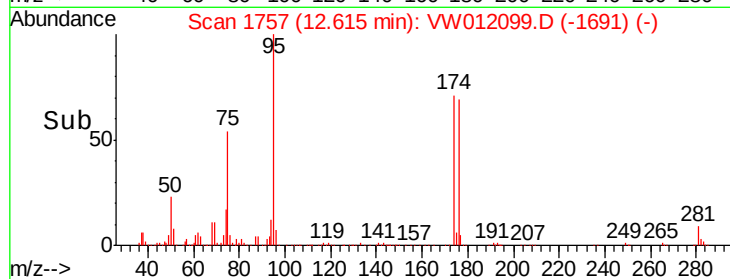
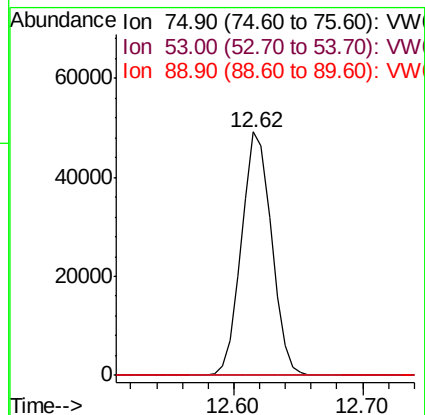
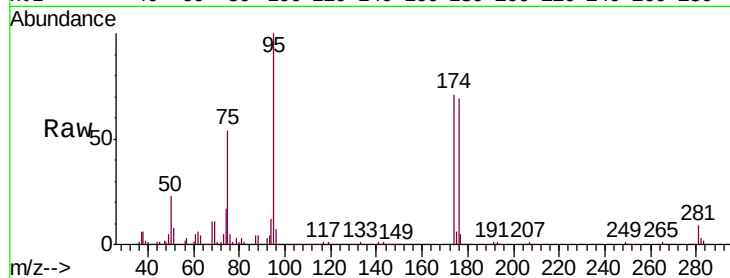
Tgt Ion: 75 Resp: 79414

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.368 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012099.D

Acq: 22 Aug 2019 10:05

Tgt Ion: 128 Resp: 1656

Ion Ratio Lower Upper

128 100

127 17.1 10.6 16.0#

129 13.9 8.6 13.0#

